

INTERNATIONAL SEARCH REPORT

PCT/GB2004/000472

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M35/00 B05B15/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B05B A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 238 642 A (SPECTRUM PRODUCTS INC) 11 September 2002 (2002-09-11) paragraphs '0029! - '0084!; figures -----	1-14, 21-23, 27-42
X	WO 00/62640 A (LAUGHLIN PRODUCTS INC) 26 October 2000 (2000-10-26) page 29, line 7 - page 34, line 9; figures 9-12	1-14, 21-23, 27-30, 34,41,42
Y	WO 00/54892 A (COOPER, TROY HOWARD) 21 September 2000 (2000-09-21) page 10, line 15 - page 16, line 20; figures ----- -/-	1-14, 23-29, 32-42

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the International search

3 June 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 264 547 B1 (WELTI, ROBERT) 24 July 2001 (2001-07-24) column 7, line 39 - column 9, line 25; figures 1,2 -----	1-14, 23-29, 32-42
A	US 5 664 593 A (MCCLAIN, EDWARD T.) 9 September 1997 (1997-09-09) column 3, line 19 - column 4, line 32; figures 2-7 -----	1,41

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/000472

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1238642	A	11-09-2002	US 6443164 B1	03-09-2002
			CA 2364422 A1	08-09-2002
			EP 1238642 A2	11-09-2002
			US 2002112738 A1	22-08-2002
WO 0062640	A	26-10-2000	US 6199557 B1	13-03-2001
			AT 256982 T	15-01-2004
			AU 4043600 A	02-11-2000
			CA 2277499 A1	19-10-2000
			CA 2370399 A1	26-10-2000
			DE 60007518 D1	05-02-2004
			EP 1175164 A1	30-01-2002
			EP 1247539 A1	09-10-2002
			EP 1374937 A1	02-01-2004
			NZ 514428 A	28-02-2003
			WO 0062640 A1	26-10-2000
			US 2002088475 A1	11-07-2002
			US 2003003124 A1	02-01-2003
			US 2003019504 A1	30-01-2003
			US 2002195119 A1	26-12-2002
			US 2003094510 A1	22-05-2003
			US 6298862 B1	09-10-2001
			US 6251374 B1	26-06-2001
			US 6468508 B1	22-10-2002
			US 6416747 B1	09-07-2002
			US 2004089315 A1	13-05-2004
			US 2001029961 A1	18-10-2001
			US 2001003283 A1	14-06-2001
			US 2002000236 A1	03-01-2002
			US 2002000237 A1	03-01-2002
			US 2002005208 A1	17-01-2002
			US 2002040721 A1	11-04-2002
WO 0054892	A	21-09-2000	AU 3514900 A	04-10-2000
			CA 2367404 A1	21-09-2000
			EP 1161306 A1	12-12-2001
			JP 2002538910 T	19-11-2002
			WO 0054892 A1	21-09-2000
US 6264547	B1	24-07-2001	US 6387081 B1	14-05-2002
			EP 0849001 A1	24-06-1998
			AT 227609 T	15-11-2002
			AU 5186398 A	17-07-1998
			DE 59708735 D1	19-12-2002
			EA 935 B1	26-06-2000
			EP 0944437 A1	29-09-1999
			HU 0001635 A2	28-09-2000
			NO 992978 A	12-08-1999
			PL 334195 A1	14-02-2000
			SK 80999 A3	08-11-1999
			WO 9828088 A2	02-07-1998
US 5664593	A	09-09-1997	US 5460192 A	24-10-1995